



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**David L. Narum and Kim Lee Sim**

Serial No. **09/914,694**

U.S. Filing Date: **August 31, 2001**

National Phase Filing Date: **March 3, 2000**

I.A. Filing Date: **March 4, 1999**

For: **Anti-Plasmodium Compositions and  
Methods of Use**

Art Unit: **1645**

Examiner: **Not Yet Assigned**

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INFORMATION DISCLOSURE STATEMENT

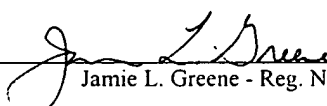
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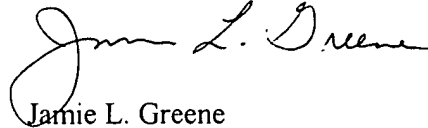
  
Jamie L. Greene - Reg. No. 32,467

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*Applicants: David L. Narum and Kim Lee Sim*  
*Patent Application Serial No. 09/914,694*  
*Page 2 of 2*

under applicable statutes, Rules of Practice in patent cases, or otherwise.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Jamie L. Greene".

Jamie L. Greene  
Reg. No. 32,467

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Our Docket: 05213-0463 (43170-263082)

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<b>Application Number</b>	<b>09/914,694</b>
<b>Filing Date</b>	<b>August 31, 2001</b>
<b>First Named Inventor</b>	<b>David L. Narum</b>
<b>Group Art Unit</b>	<b>1645</b>
<b>Examiner Name</b>	<b>Not Yet Assigned</b>
<b>Attorney Docket Number</b>	<b>05213-0463 (43170-263082)</b>

Sheet	1	of	3
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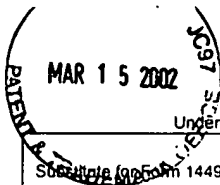
Substitute for Form 1449/A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/924,154
		Filing Date	August 31, 2001
		First Named Inventor	David L. Narum
		Group Art Unit	1645
		Examiner Name	Not Yet Assigned
Sheet 2 of 3	Attorney Docket Number	05213-0463 (43170-263082)	

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	4	ADAMS, J. H., HUDSON, D. E., TORII, M., WARD, G. E., WELLEMS, T. E., AIKAWA, M., MILLER, L. H. "The Duffy receptor family of Plasmodium knowlesi is located within the merozoites of invasive malaria merozoites." Cell. 63: 141-153.	TECH CENTER 1600/2900
	5	ADAMS, J. H., SIM, B. K. L., DOLAN, S. A., FANG, X., KASLOW, D. C., MILLER, L. H. "A family of erythrocyte binding proteins of malaria parasites." Proc. Natl. Acad. Sci. 89: 7085-7089 (1992).	
	6	CHITNIS, C. E., MILLER, L. H. Identification of the erythrocyte binding domains of Plasmodium vivax and Plasmodium knowlesi proteins involved in erythrocyte invasion. J Exp Med 1994 Aug 1; 180(2):497-506.	
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	9	HADLEY, T. J., ERKMEN, Z., KAUFMAN, B. M., FUTROVSKY, S., MCGUINNIS, M. H., GRAVES, P., SADOFF, J. C., MILLER, L. H., Factors influencing invasion of erythrocytes by Plasmodium falciparum parasites: the effects of an N-acetyl glucosamine neoglycoprotein and an anti-glycophorin antibody. Am J Trop Med Hyg 1986 Sep; 35(5):898-905.	
	10	MILLER, L. H., MASON, S. J., DVORAK, J. A., MCGINNIS, M. H., ROTHMAN, I. K., Erythrocyte receptors for (Plasmodium knowlesi) malaria: Duffy blood group determinants. Science 1975 Aug 15; 189(4202):561-3.	
	11	ORLANDI, P. A., KLOTZ, F. W., AND HAYNES, J. D. "A malaria invasion receptor, the 175-kilodalton erythrocyte binding antigen of Plasmodium falciparum recognizes the terminal neu5Ac((2-3) gal-sequences of glycophorin A." J. Cell Biol. 116:901-909 (1992).	
	12	SIM, B. K., ORLANDI, P. A., HAYNES, J. D., KLOTZ, F. W., CARTER, J. M., CAMUS, D., ZEGANS, M. E., AND CHULAY, J. D. Primary structure of the 175K Plasmodium falciparum erythrocyte binding antigen and identification of a peptide which elicits antibodies that inhibit malaria merozoite invasion. J Cell Biol. 1990; 111, no. 5 Pt 1:1877-1884.	
	13	SIM, B. K. L., CHITNIS, C. E., WASNIOWSKA, K., HADLEY, T. J., MILLER, L. H., "Receptor and ligand domains for invasion of erythrocytes by Plasmodium falciparum. Science. 264:1941-1944. (1994)	

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<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

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Sheet	3	of	3	Application Number	09/914,694
				Filing Date	August 31, 2001
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	14	SIM, B. K. L., "Delineation of functional regions on <i>Plasmodium falciparum</i> EBA-175 by antibodies eluted from immune complexes." Molecular and Biochemical Parasitology, Vol. 95 (1998) pgs.183 - 192.	TECH CENTER 1600/2900
	15	NARUM, D. L. et al. "Inhibition of <i>Plasmodium falciparum</i> sialic acid-dependent (alternative pathway) invasion mediated by antibodies against EBA-175 region II." American Journal of Tropical Medicine and Hygiene, Vol. 61, No. 3 Suppl., (1999) pgs. 205 - 206.	
	16	LUU, T. et al. "Epitope mapping of monoclonal antibodies that block the binding of the <i>Plasmodium falciparum</i> merozoite ligant EBA-175." American Journal of Tropical Medicine and Hygiene, Vol. 61, No. 3 Suppl., (1999), pages 492 - 493.	
	17	HADLEY, T.J., "Invasion of erythrocytes by malaria parasites: a cellular and molecular overview." Annu Rev. Microbiol. (1986);40:451-77.	

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